

## Claim Amendments

Please amend claims 1, 3, 8, 11 and 12 as follows:

Please add new claims 21-31 as follows:

## Listing of Claims

- 1. (currently amended) An apparatus for dispensing a liquid onto a substrate <u>frontside and backside during a development process</u> and adjustably controlling liquid flow on said substrate backside during said development process to improve a rinsing step, comprising:
  - a support for receiving the substrate;
- a dispensing head for dispensing the liquid onto the substrate;
- a knife ring having a base and a tapered edge extending from said base, said knife ring vertically adjustably mounted beneath said support; and
- a plurality of independently-actuated automatic vertical adjustment mechanisms operably engaging said base of said knife ring for placing said knife ring at selected vertical positions beneath the substrate <u>during said development process</u>.
- 2. (previously presented) The apparatus of claim 1 wherein said plurality of independently-actuated automatic vertical adjustment

mechanisms comprise a plurality of fluid-actuated ring actuating cylinders.

- 3. (currently amended) The apparatus of claim 1 wherein said knife ring has a width diameter of about 290 mm.
- 4. (previously presented) The apparatus of claim 3 wherein said plurality of independently-actuated automatic vertical adjustment mechanisms comprise a plurality of fluid-actuated ring actuating cylinders.
- 5. 6. (Canceled)
- 7. (previously presented) The apparatus of claim 2 wherein said plurality of fluid-actuated ring actuating cylinders is actuated by pneumatic pressure.
- 8. (currently amended) The apparatus of claim 7 wherein said knife ring has a width diameter of about 290 mm.
- 9. 10. (Canceled)
- 11. (currently amended) An apparatus for dispensing a liquid onto

- a substrate <u>frontside and backside during a development process</u>

  and adjustably controlling liquid flow on said substrate backside

  during said development process to improve a rinsing step,

  comprising:
  - a support for receiving the substrate;
- a dispensing head for dispensing the liquid onto the substrate;
- a knife ring having a base and a tapered edge extending from said base, said knife ring vertically adjustably mounted beneath said support; and
- a pair of independently-actuated hydraulic-powered ring actuating cylinders operably engaging said base of said knife ring in generally diametrically-opposed relationship to each other for placing said knife ring at selected vertical positions beneath the substrate during a development process.
- 12. (currently amended) The apparatus of claim 11 wherein said knife ring has a width diameter of about 290 mm.

## 13. - 20. (Canceled)

- 21. (new) The apparatus of claim 1, wherein said vertical positions are selected from a position facilitating flow of liquid between said knife edge and said substrate backside and a position substantially preventing a flow of liquid between said knife edge and said substrate backside.
- 22. (new) The apparatus of claim 21, wherein said position facilitating flow of liquid between said knife edge and said substrate backside comprises a gap distance between an upper edge of said knife ring and said substrate backside of about 1.4 mm to about 1.4 mm.
- 23. (new) The apparatus of claim 21, wherein said position substantially preventing flow of liquid between said knife edge and said substrate backside comprises a gap distance between an upper edge of said knife ring and said substrate backside to prevent said liquid flow while said substrate is rotating.
- 24. (new) The apparatus of claim 21, wherein said position substantially preventing flow of liquid between said knife edge and said substrate backside comprises a gap distance between an

upper edge of said knife ring and said substrate backside of about 0.1 mm to about 0.4 mm.

- 25. (new) An apparatus for dispensing a liquid onto a substrate frontside and backside during a development process and adjustably controlling liquid flow on said substrate backside during said development process to improve a rinsing step, comprising:
  - a support for receiving the substrate;
- a dispensing head for dispensing the liquid onto the substrate;
- a knife ring having a base and a tapered edge extending from said base, said knife ring vertically adjustably mounted beneath said support; and
- a plurality of independently-actuated automatic vertical adjustment mechanisms operably engaging said base of said knife ring for placing said knife ring at selected vertical positions beneath the substrate during said development process;

wherein said vertical positions are selected from a position facilitating flow of liquid between said knife edge and a substrate backside and a position substantially preventing flow of liquid between said knife edge and said substrate backside.

- 26. (new) The apparatus of claim 25, wherein said position facilitating flow of liquid between said knife edge and said substrate backside comprises a gap distance between an upper edge of said knife ring and said substrate backside of about 1.4 mm to about 1.4 mm.
- 27. (new) The apparatus of claim 25, wherein said position substantially preventing flow of liquid between said knife edge and said substrate backside comprises a gap distance between an upper edge of said knife ring and said substrate backside of about 0.1 mm to about 0.4 mm.
- 28. (new) The apparatus of claim 25, wherein said position substantially preventing flow of liquid between said knife edge and said substrate backside comprises a gap distance between an

upper edge of said knife ring and said substrate backside to prevent said liquid flow while said substrate is rotating.

- 29. (new) The apparatus of claim 25 wherein said plurality of independently-actuated automatic vertical adjustment mechanisms comprise a plurality of fluid-actuated ring actuating cylinders.
- 30. (new) The apparatus of claim 29 wherein said plurality of fluid-actuated ring actuating cylinders is actuated by pneumatic pressure.
- 31. (new) The apparatus of claim 25 wherein said knife ring has a diameter of about 290 mm.